

Shear Bolt Connector

Product Data Sheet

Richards 63SSCCR Series Connectors are range-taking connectors that utilize an innovative “stepless” shear bolt design. This shear bolt is engineered to break below the surface of the connector regardless of conductor cross-section. These connectors accept a wide range of conductor sizes and are dual rated for Aluminum or Copper conductors. The 63SSCCR Series Connectors are part of the SSC Cold Shrink Splicing system and must be used with SSC Splice Housings. Be sure to select only the connector(s) that match the Housing Size of the SSC Splice Housing being utilized.

SSCCR Series Connectors are qualified to the following standards:

- ANSI C119.4-2004
- IEC 61238.1-2003



Nominal Use Range Chart

| Housing Size* | Part # | SICON # | Nominal Conductor Range | |
|---------------|-----------|-----------|-------------------------|------------|
| | | | Min | Max |
| O | 63SSCCOR1 | 332980012 | #3 AWG | 300 kcmil |
| O | 63SSCCOR2 | 332981001 | 1/0 AWG | 450 kcmil |
| P | 63SSCCPR1 | 332982012 | 1/0 AWG | 450 kcmil |
| P | 63SSCCPR2 | 332983001 | 350 kcmil | 750 kcmil |
| Q | 63SSCCQR1 | 332984001 | 350 kcmil | 750 kcmil |
| Q | 63SSCCQR2 | 332985012 | 600 kcmil | 1250 kcmil |

* Be sure to select only the connector(s) that match the Housing Size of the SSC Splice Housing being utilized.

Dimensional Chart

| Part # | Length | OD | # of Bolts | Hex Key Size |
|-----------|----------|--------|------------|--------------|
| 63SSCCOR1 | 4" | 1 1/2" | 4 | 5 mm |
| 63SSCCOR2 | 5" | 1 1/2" | 4 | 6 mm |
| 63SSCCPR1 | 5" | 1 3/4" | 4 | 6 mm |
| 63SSCCPR2 | 6 11/16" | 1 3/4" | 6 | 8 mm |
| 63SSCCQR1 | 6 11/16" | 2 1/4" | 6 | 8 mm |
| 63SSCCQR2 | 7 5/8" | 2 1/4" | 6 | 8 mm |

Basic Dimensions

